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## anti-NFATC4 antibody (AA 480-530)



### Publication



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| Quantity:            | 100 μL   |  |
|----------------------|--|--|
| Target:              | NFATC4   |  |
| Binding Specificity: | AA 480-530   |  |
| Reactivity:          | Human, Mouse, Rat  |  |
| Host:                | Rabbit   |  |
| Clonality:           | Polyclonal   |  |
| Conjugate:           | This NFATC4 antibody is un-conjugated  |  |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |  |

#### **Product Details**

| Immunogen:        | KLH conjugated synthetic peptide derived from human NF-ATc4 |  |
|-------------------|---|--|
| Isotype:          | IgG   |  |
| Cross-Reactivity: | Human, Mouse, Rat   |  |
| Purification:     | Purified by Protein A.                                      |  |

#### **Target Details**

| Target:  | NFATC4                    |
|--|---------------------------|
| Alternative Name:  | NF-ATc4 (NFATC4 Products) |
| Synonyms: NFAT3, NF-ATC4, Nuclear factor of activated T-cells, cytoplasmic |                           |

Background: Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 and IL-4. Transcriptionally repressed by estrogen receptors, this inhibition is further enhanced by estrogen. Increases the transcriptional activity of PPARG and has a direct role in adipocyte differentiation. May play an important role in myotube differentiation. May play a critical role in cardiac development and hypertrophy. May play a role in deafferentiation-induced apoptosis of sensory neurons.

| Gene ID: | 4776 |
|----------|------|
|----------|------|

UniProt: Q14934

Pathways: RTK Signaling, WNT Signaling

#### **Application Details**

Application Notes: WB 1:300-5000

IHC-P 1:200-400

IF(IHC-P) 1:50-200

Restrictions: For Research Use only

#### Handling

| Format:            | Liquid   |
|--------------------|--|
| Concentration:     | 1 μg/μL  |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.  |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months  |

#### **Publications**

Product cited in:

Xie, Deng, Pan, Ren, Jin, Wang, Wang, Zhu, Guo, Yuan, Shang, Liu: "Chronic intermittent hypoxia induces cardiac hypertrophy by impairing autophagy through the adenosine 5'-monophosphate-

activated protein kinase pathway." in: **Archives of biochemistry and biophysics**, Vol. 606, pp. 41-52, (2016) (PubMed).